

IN THE CLAIMS

Please amend claims 3, 9, 19, 43, 49, 54, 59, and 64.
Please cancel claims 1-2, 4-8, 16-18, 39-42, 50-53, 55-58, and
60-63. The current status of the claims is reflected in the
below listing of claims.

1-2. (Canceled)

3. (Currently Amended) ~~The catalyst of claim 6~~ A catalyst
for use in oxidation or reduction reactions comprising
platinum, chromium, copper and nickel , wherein the
concentration of platinum is less than 40 atomic percent.

4 - 8. (Canceled)

9. (Currently Amended) ~~The catalyst of claim 6~~ A catalyst
for use in oxidation or reduction reactions, the catalyst
comprising platinum, chromium, and nickel, wherein the
platinum concentration is between about 15 atomic percent and
about 40 atomic percent, the chromium concentration is between
about 5 and about 25 atomic percent, and the concentration of
nickel is between about 45 and about 70 atomic percent.

10. (Previously presented) A catalyst for use in oxidation
or reduction reactions, the catalyst comprising platinum,
chromium, and copper, nickel, or a combination thereof, wherein
the platinum concentration is between about 20 and about 35
atomic percent, the chromium concentration is between about 5
and about 25 atomic percent, and the concentration of copper,

nickel or a combination thereof is between about 50 and about 65 atomic percent.

11. (Previously presented) A catalyst for use in oxidation or reduction reactions, the catalyst comprising platinum, chromium, and copper, nickel, or a combination thereof, wherein the platinum concentration is between about 20 and about 30 atomic percent, the chromium concentration that is between about 5 and about 25 atomic percent, and the concentration of copper, nickel or a combination thereof is between about 50 and about 65 atomic percent.

12. (Previously presented) The catalyst of claim 6 comprising chromium at a concentration that is between about 5 and about 45 atomic percent, and nickel at a concentration that is between about 15 and about 50 atomic percent.

13. (Previously presented) The catalyst of claim 12 wherein the platinum concentration is no greater than about 35 atomic %.

14. (Previously Presented) The catalyst of claim 12 wherein the chromium concentration is between about 5 and about 35 atomic percent.

15. (Canceled)

16-18. (Canceled)

19. (Currently amended) A supported electrocatalyst powder for use in electrochemical reactor devices, the supported electrocatalyst powder comprising ~~the catalyst of claim 1~~ a

catalyst comprising platinum at a concentration of less than 40 atomic percent, chromium at a concentration of no greater than 30 atomic percent, and nickel at a concentration of at least 35%, and electrically conductive support particles upon which the catalyst is dispersed.

20.-38. (Canceled)

39 - 42. (Canceled)

43. (Currently amended) A supported electrocatalyst powder for use in electrochemical reactor devices, the supported electrocatalyst powder comprising ~~the catalyst of claim 2~~ a catalyst comprising platinum at a concentration of less than 40 atomic percent, chromium at a concentration of no greater than 30 atomic percent, and nickel at a concentration of at least 45%, and electrically conductive support particles upon which the catalyst is dispersed.

44. (Previously presented) The catalyst of claim 3 wherein the platinum concentration is no greater than about 35 atomic percent.

45. (Previously Presented) The catalyst of claim 3 wherein the chromium concentration is no greater than about 55 atomic percent.

46. (Previously Presented) The catalyst of claim 3 wherein the catalyst consists essentially of platinum, chromium, copper and nickel.

47. (Previously Presented) The catalyst of claim 3 wherein the catalyst comprises an alloy of platinum, chromium, copper and nickel.

48. (Previously Presented) The catalyst of claim 3 wherein the catalyst consists essentially of an alloy of platinum, chromium, copper and nickel.

49. (Currently amended) A supported electrocatalyst powder for use in electrochemical reactor devices, the supported electrocatalyst powder comprising ~~the catalyst of claim 3~~ a catalyst comprising platinum at a concentration of less than 40 atomic percent, chromium, copper, and nickel, and electrically conductive support particles upon which the catalyst is dispersed.

50 - 53. (Canceled)

54. (Currently amended) A supported electrocatalyst powder for use in electrochemical reactor devices, the supported electrocatalyst powder comprising ~~the catalyst of claim 4~~ a catalyst comprising platinum at a concentration of less than 40 atomic percent, chromium at a concentration of no greater than 30 atomic percent, and nickel, and electrically conductive support particles upon which the catalyst is dispersed.

55-58. (Canceled)

59. (Currently amended) A supported electrocatalyst powder for use in electrochemical reactor devices, the supported electrocatalyst powder comprising ~~the catalyst of claim 5~~ a

catalyst comprising platinum at a concentration of less than 40 atomic percent, chromium, and nickel at a concentration of at least 35 atomic percent, and electrically conductive support particles upon which the catalyst is dispersed.

60-63. (Canceled)

64. (Currently amended) A supported electrocatalyst powder for use in electrochemical reactor devices, the supported electrocatalyst powder comprising ~~the catalyst of claim 6~~ a catalyst comprising platinum, chromium, and nickel, wherein the platinum has a concentration of less than 40 atomic percent, and electrically conductive support particles upon which the catalyst is dispersed.